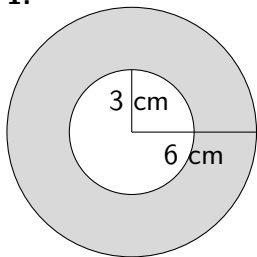
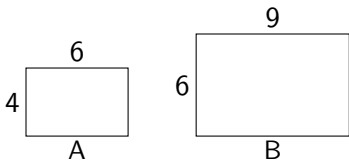


1.

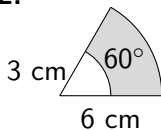


Find the shaded area.

3.

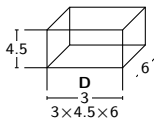
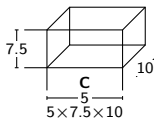
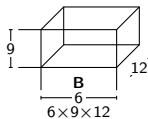
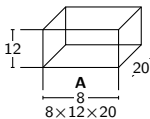
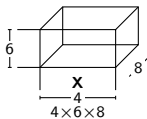
Find the scale factor mapping $A \rightarrow B$.

2.



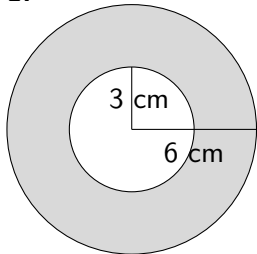
Find the shaded area.

4.



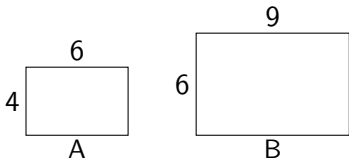
Which are similar to X?

1.



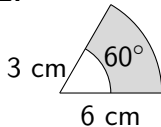
$$\pi 6^2 - \pi 3^2 = 27\pi \text{ cm}^2$$

3.



Scale factor = 1.5

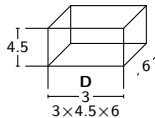
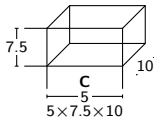
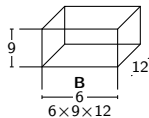
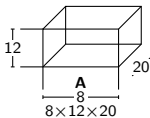
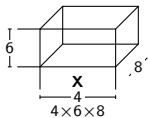
2.



$$\frac{60}{360} \times 27\pi = \frac{1}{6} \times 27\pi$$

$$= 4.5\pi \text{ cm}^2$$

4.



Similar shapes: B, C, D